

Notice No.2

Rules for the Manufacture, Testing and Certification of Materials July 2020

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Please note that corrigenda amends to paragraphs, Tables and Figures are not shown in their entirety.

Issue date: June 2021

Amendments to	Effective date	IACS/IMO implementation (if applicable)
Chapter 3, Section 3	Corrigendum	NA
Chapter 3, Section 10	Corrigenda	NA
Chapter 10, Section 3	Corrigendum	NA

Chapter 3

Rolled Steel Plates, Strip, Sections and Bars

■ Section 3

Higher strength steels for ship and other structural applications

3.5 Mechanical tests and brittle crack arrest property tests

Table 3.3.9 Requirement of brittle crack arrest properties for brittle crack arrest steels (Note 1)

Note 2. As an alternative to crack arrest temperature (CAT), crack arrest properties may be demonstrated by large scale ESSO tests for BCA1 grades $K_{Ica} \geq 6000 \text{ N/mm}^{1.5}$ $K_{Ica} \geq 6000 \text{ N/mm}^{3/2}$ at -10°C and BCA2 grade $K_{Ica} \geq 8000 \text{ N/mm}^{1.5}$ $K_{Ica} \geq 8000 \text{ N/mm}^{3/2}$ at -10°C .

■ Section 10

High strength steels for welded structures

10.1 Scope

Table 3.10.1 Maximum Thickness Limits

Steel Grade	Condition of supply	Maximum thickness (mm) (see Note 1)			
		Plates	Sections	Bars	Tubulars
EH62, DE69 EH69	QT	150	-	-	50

10.3 Chemical composition

Table 3.10.3 Maximum Ceq, CET and Pcm values

Steel yield strength level/Condition of supply	Ceq (%)					CET (%)	Pcm (%)
	Plates			Sections	Bars	Tubulars	
	t ≤ 50 (mm)	50 < t ≤ 100 (mm)	100 < t ≤ 250 (mm)	t ≤ 50 (mm)	t ≤ 250 or d ≤ 250 (mm)	t ≤ 65 (mm)	all all
H89TM	0,60	N/A		N/A	N/A	0,38	0,30 0,28

Chapter 10

Equipment for Mooring and Anchoring

■ Section 3

Offshore ~~Mooring~~ mooring chain cables

3.6 Proof load tests and non-destructive examination

Table 10.3.1 Test loads for mooring chain cables

Grade R3S			Grade R3S				
Proof test load		Break test load	Proof test load		Break test load		
Studless chain	Stud link chain		Stud link chain	Studless chain			
Grade R4							
Break test load $0.0274d^2 (44 - 0.09d_s)$							

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